

PATENT  
Docket No.: 12706/8

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS : Koichi TAKAHASHI, et al.  
SERIAL NO. : (To be assigned)  
FILED : (Herewith)  
FOR : ANGLE DETECTION APPARATUS, OPTICAL SIGNAL SIWTCH SYSTEM AND INFORMATION RECORDING AND REPRODUCTION SYSTEM  
GROUP ART UNIT : (Unassigned)  
Examiner : (Unassigned)

COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97 & § 1.98**

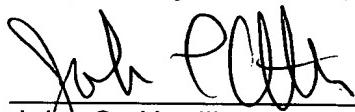
SIR:

In conformance with Applicants' duty of disclosure under 37 C.F.R. § 1.56 and § 1.97(b)(1), the references listed on the attached form PTO-1449 are hereby brought to the Examiner's attention.

In compliance with 37 C.F.R. § 1.98, copies of the references are submitted herewith.

It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear in the "references cited" on any patent to issue therefrom.

Respectfully submitted,



John C. Altmiller  
(Reg. No. 25,951)

Date: 24 December 2003

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**FORM PTO-1449****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT(S)**

Atty Docket No. : 12706/8  
 Serial No. :  
 Inventors : Koichi TAKASHI, et al.  
 Filed : (Herewith)  
 Group Art Unit :  
 Examiner :

**U.S. PATENT DOCUMENTS**

<u>Examiner Initial</u>	<u>Patent Number</u>	<u>Patent Date</u>	<u>Name</u>	<u>Class/Subclass</u>	<u>Filing Date</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**FOREIGN PATENT DOCUMENTS**

<u>Examiner Initial</u>	<u>Document Number</u>	<u>Date</u>	<u>Country</u>	<u>Class/Subclass</u>	<u>Translation Yes</u> <u>No</u>
_____	8-227552	09/03/96	Japan	_____	X
_____	11-144273	05/28/99	Japan	_____	X
_____	11-144274	05/28/99	Japan	_____	X
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**OTHER DOCUMENTS**  
(Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial  
\_\_\_\_\_

EXAMINER

DATE CONSIDERED

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.